

TRIBUTARIES BETWEEN WEBER AND JORDAN RIVERS

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in SW^{1/4}SW^{1/4}SE^{1/4} sec. 8, T. 2N S., R. 1 E., Davis County, Hydrologic Unit 16020102, 1.2 mi east of Centerville.

DRAINAGE AREA.--3.15 mi².

PERIOD OF RECORD.--October 1949 to September 1980, May 1, 1999 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. V-notch sharp crested weir since November 1960. Elevation of gage 4,680 ft above sea level, from topographic map. Prior to November 21, 1960, at site 250 ft downstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 35 ft³/s, about May 20, 1975; minimum daily recorded, 0.5 ft³/s, Mar 16, 1975 and several days in 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft³/s, Apr 29, gage height, 1.68 ft; minimum daily discharge, 0.80 ft³/s, Aug 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.5	1.3	1.3	1.2	1.3	3.4	14	4.6	1.9	1.0	.87
2	1.0	1.5	1.3	1.3	1.2	1.3	3.9	12	4.4	1.9	1.0	.85
3	1.0	1.4	1.3	1.3	1.3	1.4	3.6	11	4.3	1.8	1.1	.83
4	1.0	1.4	1.3	1.3	1.3	1.3	3.4	9.6	4.3	1.7	1.0	.82
5	1.0	1.4	1.3	1.3	1.3	1.3	3.3	8.9	4.0	1.7	.93	.88
6	1.0	1.4	1.3	1.3	1.3	1.2	3.3	8.4	3.8	1.7	.90	1.1
7	.99	1.3	1.3	1.3	1.4	1.6	3.0	8.1	3.7	1.6	.89	1.1
8	1.0	1.4	1.3	1.3	1.3	1.7	2.7	8.2	3.5	1.5	.88	1.1
9	1.0	1.5	1.4	1.3	1.3	1.9	2.5	8.6	3.3	1.6	.86	1.1
10	1.2	1.4	1.4	1.3	1.3	2.2	2.4	9.0	3.2	1.1	.86	1.1
11	1.4	1.4	1.3	1.3	1.3	1.9	2.4	9.2	3.1	1.7	.85	1.0
12	1.3	1.4	1.4	1.3	1.3	1.7	2.4	9.5	3.5	1.8	.86	1.0
13	1.4	1.4	1.4	1.3	1.3	1.7	2.5	9.8	3.5	1.5	.89	1.0
14	1.5	1.4	1.4	1.3	1.3	1.6	2.5	9.9	3.3	1.4	.87	.91
15	1.4	1.4	1.4	1.3	1.3	1.6	2.7	10	3.0	1.4	.84	.90
16	1.3	1.4	1.4	1.3	1.3	1.7	3.4	11	2.8	1.4	.84	.89
17	1.3	1.4	1.3	1.3	1.3	1.6	4.5	11	2.7	1.3	.81	.91
18	1.3	1.4	1.3	1.3	1.4	1.6	6.5	11	2.6	1.3	.80	.92
19	1.3	1.4	1.3	1.3	1.5	1.7	8.2	10	2.6	1.3	.80	.89
20	1.3	1.4	1.3	1.3	1.5	2.2	8.7	9.4	2.4	1.2	.85	.88
21	1.7	1.4	1.3	1.3	1.4	3.0	8.1	8.8	2.4	1.2	1.2	.86
22	1.5	1.4	1.3	1.3	1.4	3.3	7.2	8.0	2.3	1.2	1.0	.86
23	1.4	1.4	1.3	1.2	1.5	3.7	6.5	7.4	2.2	1.2	.96	.85
24	1.4	1.4	1.4	1.2	1.4	4.0	6.6	6.9	2.3	1.2	.94	.84
25	1.4	1.4	1.3	1.1	1.4	4.5	7.3	6.6	2.2	1.1	.93	.82
26	1.4	1.4	1.3	1.3	1.4	4.6	8.7	6.3	2.2	1.1	.90	.85
27	1.5	1.4	1.3	1.2	1.4	4.3	11	6.0	2.2	1.1	.88	.84
28	1.5	1.4	1.3	1.2	1.3	4.1	13	5.7	2.1	1.1	.88	.84
29	1.5	1.4	1.3	1.2	---	3.9	14	5.4	2.0	1.1	.88	.88
30	1.7	1.4	1.3	1.2	---	3.6	14	5.1	1.9	1.1	.90	.91
31	1.6	---	1.3	1.2	---	3.4	---	4.8	---	1.1	.90	---
TOTAL	40.29	42.2	41.1	39.4	37.6	74.9	171.7	269.6	90.4	43.3	28.20	27.60
MEAN	1.30	1.41	1.33	1.27	1.34	2.42	5.72	8.70	3.01	1.40	.91	.92
MAX	1.7	1.5	1.4	1.3	1.5	4.6	14	14	4.6	1.9	1.2	1.1
MIN	.99	1.3	1.3	1.1	1.2	2.4	4.8	4.8	1.9	1.1	.80	.82
AC-FT	80	84	82	78	75	149	341	535	179	86	56	55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2001, BY WATER YEAR (WY)

MEAN	1.38	1.43	1.40	1.39	1.45	1.96	4.91	10.6	6.36	2.37	1.44	1.28
MAX	2.22	2.06	2.00	2.23	2.25	5.49	10.2	21.1	17.4	6.31	3.00	2.10
(WY)	1976	1972	1972	1972	1971	1972	1974	1952	1975	1975	1975	1975
MIN	.82	.90	.89	.88	1.04	.88	1.92	2.07	.97	.56	.55	.65
(WY)	1962	1962	1955	1962	1964	1955	1961	1961	1961	1961	1961	1961

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1950-80, 1999-2001
ANNUAL TOTAL	745.06	906.29	
ANNUAL MEAN	2.04	2.48	2.98
HIGHEST ANNUAL MEAN			4.99
LOWEST ANNUAL MEAN			1.08
HIGHEST DAILY MEAN	6.5	Apr 14	35
LOWEST DAILY MEAN	.81	Aug 14	.50
ANNUAL SEVEN-DAY MINIMUM	.83	Aug 8	.50
ANNUAL RUNOFF (AC-FT)	1480	1800	2160
10 PERCENT EXCEEDS	4.5	6.5	7.3
50 PERCENT EXCEEDS	1.5	1.4	1.6
90 PERCENT EXCEEDS	.99	.90	1.0